

ABSTRACT OF THE DISCLOSURE

Oven assemblies and related methods for the cooking of food products are provided wherein a rotating valve is in both heated air receiving communication and return air communication with both a heat source and a specifically constructed cooking chamber. The cooking chamber is defined at least in part by a first pair of oppositely disposed first and second wall structures, each of the first and second wall structures including a plurality of spaced apart openings for the passage of air therethrough. The rotating valve is in heated air distributing communication with the first wall structure and in return air communication with the second wall structure of the first pair of oppositely disposed first and second wall structures at a selected point in time such that heated air is passed through the plurality of spaced apart openings in the first wall structure into the cooking chamber and return air from the cooking chamber is passed through the plurality of spaced apart openings in the oppositely disposed second wall structure and to the rotating valve for return to the heat source. The rotating valve is capable of rotation to be in heated air distributing communication with the second wall structure and in return air communication with the first wall structure.